

What is claimed is

1. A method of depositing a metal having a high corrosion resistance and a low contact resistance against carbon on a separator for a fuel cell, the method comprising the steps of projecting to a separator of a unit cell for forming the fuel cell a solid plating material comprised of core particles having a higher hardness than the separator and coated with a metal having a high corrosion resistance and a low contact resistance against carbon so as to compulsorily deposit the metal coated on this solid plating material to the separator.
2. A method of depositing a metal having a high corrosion resistance and a low contact resistance against carbon as set forth in claim 1, wherein a projection velocity of the solid plating material to the separator is 20 to 100 m/sec.
3. A method of depositing a metal having a high corrosion resistance and a low contact resistance against carbon as set forth in claim 1 or 2, wherein the projection of the solid plating material to the separator is performed by a flow of dry air.
4. A method of depositing a metal having a high corrosion resistance and a low contact resistance against carbon as set forth in claim 1 or 2, wherein the projection of the solid plating material is performed by a rotating impeller.
5. A method of depositing a metal having a high corrosion resistance and a low contact resistance against carbon as set forth in claim 1 or 2, wherein the projection of the solid plating material is performed by a flow of water.
6. A method of depositing a metal having a high corrosion resistance and a low contact resistance against carbon as set forth in claim 1 or 2, wherein the projection of the solid plating material is performed by a flow of inert gas.

ORIGINAL

7. A method of depositing a metal having a high corrosion resistance and a low contact resistance against carbon as set forth in ~~any one of claims 1 to 6~~, wherein the core particles of the solid plating material have a particle size of 30 to 300  $\mu\text{m}$ , a true specific gravity of 2 to 15, and a hardness of 400/2000 Hv.

8. A method of depositing a metal having a high corrosion resistance and a low contact resistance against carbon as set forth in ~~any one of claims 1 to 7~~, wherein the core particles of the solid plating material are made of hard metal.

9. A method of depositing a metal having a high corrosion resistance and a low contact resistance against carbon as set forth in ~~any one of claims 1 to 8~~, wherein the metal having a high corrosion resistance and a low contact resistance against carbon to be coated on the core particles of the solid plating material is a single metal or an alloy.

10. A method of depositing a metal having a high corrosion resistance and a low contact resistance against carbon as set forth in ~~any one of claims 1 to 9~~, wherein the metal having a high corrosion resistance and a low contact resistance against carbon to be coated on the core particles of the solid plating material is at least one of gold, silver, copper, and nickel.

11. A method of depositing a metal having a high corrosion resistance and a low contact resistance against carbon as set forth in ~~any one of claims 1 to 10~~, wherein the carbon contact resistance value is not more than 20  $\text{m}\Omega\cdot\text{cm}^2$  at a contact pressure of at least 1  $\text{kg}\cdot\text{f}/\text{cm}^2$ .

add  
B7